

APPLICATION NO.

09/591,277

24197

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1764
DATE MAILED: 09/29/2005

ART UNIT

Please find below and/or attached an Office communication concerning this application or proceeding.

	Арр	lication No.	Applicant(s)	
	I \	591,277	KEEFER ET AL.	
Office Action Summary	Exa	miner	Art Unit	
	Alex	a D. Neckel	1764	
The MAILING DATE of this comp Period for Reply	munication appears	on the cover sheet v	vith the correspondence add	lress
A SHORTENED STATUTORY PERIO WHICHEVER IS LONGER, FROM TH  - Extensions of time may be available under the provi after SIX (6) MONTHS from the mailing date of this If NO period for reply is specified above, the maximuth of Failure to reply within the set or extended period for Any reply received by the Office later than three more earned patent term adjustment. See 37 CFR 1.704(  Status	E MAILING DATE C sions of 37 CFR 1.136(a). In communication. um statutory period will apply reply will, by statute, cause that after the mailing date of	OF THIS COMMUN  In no event, however, may a  y and will expire SIX (6) MC  the application to become a	ICATION.  I reply be timely filed  INTHS from the mailing date of this constant of the constan	
	V. Elland and J. J. D. O.	25	•	
<ul><li>1) Responsive to communication(s)</li><li>2a) This action is FINAL.</li></ul>				
<u> </u>	2b) ☐ This action			
3) Since this application is in condit				merits is
closed in accordance with the pro-	actice under <i>Ex part</i>	ie Quayle, 1935 C.	J. 11, 453 O.G. 213.	
Disposition of Claims				
4) Claim(s) is/are pending in	the application.			
4a) Of the above claim(s)i	s/are withdrawn from	m consideration.		
5) Claim(s) is/are allowed.	·			
6)☐ Claim(s) is/are rejected.				
7) Claim(s) is/are objected to	).			
8)⊠ Claim(s) <u>1-68</u> are subject to restr	iction and/or election	n requirement.	,	
Application Papers		•		
9)☐ The specification is objected to by	the Examiner	•		
10) The drawing(s) filed on is/a		or h) objected to	by the Evaminer	
Applicant may not request that any o				
Replacement drawing sheet(s) include				1.4.404/4\
11) The oath or declaration is objecte				
•	a to by the Examine	i. Note the attache	d Office Action of form PTC	<i>)-</i> 132.
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a cla a) All b) Some * c) None of		y under 35 U.S.C.	§ 119(a)-(d) or (f).	
1. Certified copies of the prior	ity documents have	been received.		
2. Certified copies of the prior			Application No.	
			received in this National S	tage
application from the Interna			·	
* See the attached detailed Office ad			received.	
Attachment(s)				
Notice of References Cited (PTO-892)		4) Interview	Summary (PTO-413)	
2) 🔲 Notice of Draftsperson's Patent Drawing Review		Paper No(	s)/Mail Date	
Information Disclosure Statement(s) (PTO-1449 Paper No(s)/Mail Date		5) Notice of I	nformal Patent Application (PTO-1	52)
. Patent and Trademark Office FOL-326 (Rev. 7-05)	Office Action Su	mmary	Part of Paper No./Mail Date	20050000

## **DETAILED ACTION**

1. Due to applicant's amendments to the claims in the response filed July 14, 2005, the previous restriction requirement is withdrawn and a new restriction requirement is set forth below.

## Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-28, drawn to a process, classified in class 423, subclass 359.
  - II. Claims 29-68, drawn to an apparatus, classified in class 422, subclass 190.

The inventions are distinct, each from the other because of the following reasons:

- 3. Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the apparatus can be used to practice another different process which supplies a liquid into the reaction space.
- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 5. If applicant elects **Group I**, which contains claims 1-28, a further restriction to the following patentably distinct species of the claimed invention is required:

Art Unit: 1764

Species i: ammonia as the product;

Species ii: methanol as the product;

Species iii: ethylene as the product; and

Species iv: hydrogen as the product.

If applicant elects the Claims of Group I, applicant is further required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim appears to be generic.

- 6. If applicant elects **Group II**, which contains claims 29-68, a further restriction to the following patentably distinct species of the claimed invention is required:
  - a) Group II contains claims directed to the following patentably distinct species of the rotary module:

Species A-1, as disclosed in Figure 3; and

Species A-2, as disclosed in Figure 4.

b) Further, Group II contains claims directed to the following patentably distinct species of reactor:

Species B-1, as disclosed in Figure 6;

Species B-2, as disclosed in Figure 7;

Species B-3, as disclosed in Figure 8; and

Species B-4, as disclosed in Figure 9.

Art Unit: 1764

If applicant elects Group II, applicant is further required under 35 U.S.C. 121 to elect a single disclosed species (either A-1 or A-2 and either B-1, B-2, B-3 or B-4) for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims appear to be generic.

7. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Art Unit: 1764

8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alexa D. Neckel whose telephone number is 571-272-

1446. The examiner can normally be reached on Monday - Thursday from 9:00 AM -

7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Alexa D. Neckel Examiner

Art Unit 1764

September 26, 2005

Page 5